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POTENTIAL HAZARDOUS WASTE SITE  
TENTATIVE DISPOSITION

Site: Linwood Mining  
 REGION: VII SITE NUMBER: IAD980852297  
 1.5 2-24-86

File this form in the regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency, Site Tracking System; Hazardous Waste Enforcement Task Force (EN-333); 401 M St., SW; Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME <u>UNTHUN TRUCKING Co.</u>	B. STREET <u>East of Buffalo on Iowa 22, then North 1/2 mile on County Road Y4B.</u>	
C. CITY <u>Buffalo</u>	D. STATE <u>Iowa</u>	E. ZIP CODE <u>52728</u>

II. TENTATIVE DISPOSITION

Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.

RECOMMENDATION	MARK 'X'	ACTION AGENCY			
		EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED - NO HAZARD					
B. INVESTIGATIVE ACTION(S) NEEDED (If yes, complete Section III.)			X		
C. REMEDIAL ACTION NEEDED (If yes, complete Section IV.)					
D. ENFORCEMENT ACTION NEEDED (If yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)					

E. RATIONALE FOR DISPOSITION  
 A sample from the UNTHUN well in 1983 indicates high nitrate, sulfate, chloride and vanadium. The pH of the water was 2.7-2.9. The well is approximately 1000 feet deep. Linwood quarry is in this area and uses abandoned underground mine shafts to vent kiln dust and baghouse emissions. It is likely that the emission gases containing SO<sub>2</sub> have degraded the limestone remaining in the mine and has mixed with the groundwater. The UNTHUN well was reconstructed so that it would be raised through the mine workings. Other wells in the immediate area were not affected in 1983, however other wells in the mine workings would likely be affected.

F. INDICATE THE ESTIMATED DATE OF FINAL DISPOSITION (mo., day, & yr.)	G. IF A CASE DEVELOPMENT PLAN IS NECESSARY, INDICATE THE ESTIMATED DATE ON WHICH THE PLAN WILL BE DEVELOPED (mo., day, & yr.)
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H. PREPARER INFORMATION	I. TELEPHONE NUMBER	J. DATE (mo., day, & yr.)
1. NAME <u>Jean E. Coulter</u>	<u>(515) 281-7040</u>	<u>2/24/86</u>

III. INVESTIGATIVE ACTIVITY NEEDED

A. IDENTIFY ADDITIONAL INFORMATION NEEDED TO ACHIEVE A FINAL DISPOSITION.  
 Determine the extent of groundwater contamination and assess the risks from leachate - 10 sinkholes near a natural fissure; sinkhole near Saff Co. Landfill.

B. PROPOSED INVESTIGATIVE ACTIVITY (Detailed Information)

1. METHOD FOR OBTAINING NEEDED ADDITIONAL INFO.	2. SCHEDULED DATE OF ACTION (mo., day, & yr.)	3. TO BE PERFORMED BY (EPA, Contractor, State, etc.)	4. ESTIMATED MANHOURS	5. REMARKS
6. TYPE OF SITE INSPECTION				
6. TYPE OF MONITORING				
7. TYPE OF SAMPLING				

30815351  
 Superfund

SUPERFUND

APR 7 1986

SITE LOG

APR 08 1986

GERGLIS

Sent to EPA 3/25/86



POTENTIAL HAZARDOUS WASTE SITE  
TENTATIVE DISPOSITION

REGION VII SITE NUMBER IAD980852297

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I. SITE IDENTIFICATION

A. SITE NAME UNTHUN TRUCKING Co.	B. STREET East of Buffalo on Iowa 22, then North 1/2 mile on County Road Y4B.	
C. CITY Buffalo	D. STATE Iowa	E. ZIP CODE 52728

II. TENTATIVE DISPOSITION

Indicate the recommended action(s) and agency(ies) that should be involved by marking 'X' in the appropriate boxes.

RECOMMENDATION	MARK 'X'	ACTION AGENCY			
		EPA	STATE	LOCAL	PRIVATE
A. NO ACTION NEEDED -- NO HAZARD					
B. INVESTIGATIVE ACTION(S) NEEDED (If yes, complete Section III.)			X		
C. REMEDIAL ACTION NEEDED (If yes, complete Section IV.)					
D. ENFORCEMENT ACTION NEEDED (If yes, specify in Part E whether the case will be primarily managed by the EPA or the State and what type of enforcement action is anticipated.)					

E. RATIONALE FOR DISPOSITION  
A sample from the UNTHUN well in 1983 indicates high nitrate, sulfate, chloride and vanadium. The pH of the water was 2.7-2.9. The well is approximately 1000 feet deep. Linwood quarry is in this area and uses abandoned underground mine shafts to vent kiln dust and baghouse emissions. It is likely that the emission gases containing SO<sub>2</sub> have degraded the limestone remaining in the mines and has mixed with the groundwater. The UNTHUN well was reconstructed so that it would be cased through the mine workings. Other wells in the immediate area were not affected in 1983, however other wells in the mine workings would likely be affected.

F. INDICATE THE ESTIMATED DATE OF FINAL DISPOSITION (mo., day, & yr.)	G. IF A CASE DEVELOPMENT PLAN IS NECESSARY, INDICATE THE ESTIMATED DATE ON WHICH THE PLAN WILL BE DEVELOPED (mo., day, & yr.)
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H. PREPARER INFORMATION		
1. NAME Jean E Carleton	2. TELEPHONE NUMBER (515) 281-7040	3. DATE (mo., day, & yr.) 2/24/86

III. INVESTIGATIVE ACTIVITY NEEDED

A. IDENTIFY ADDITIONAL INFORMATION NEEDED TO ACHIEVE A FINAL DISPOSITION.  
Determine the extent of groundwater contamination and assess the risks from hazards - i.e. sinkholes near a natural gas pipeline; sinkhole near Scott Co. Landfill.

B. PROPOSED INVESTIGATIVE ACTIVITY (Detailed Information)				
1. METHOD FOR OBTAINING NEEDED ADDITIONAL INFO.	2. SCHEDULED DATE OF ACTION (mo., day, & yr)	3. TO BE PERFORMED BY (EPA, Contractor, State, etc.)	4. ESTIMATED MANHOURS	5. REMARKS
C. TYPE OF SITE INSPECTION				
(1)				
(2)				
(3)				
D. TYPE OF MONITORING				
(1)				
(2)				
E. TYPE OF SAMPLING				
(1)				
(2)				